

Work Order ID 146245

Wednesday, May 18, 2016 10:53:06 AM

146245

Page 1

Item ID: D3463-042

Revision ID:

Item Name: Step Weldment Assembly

Start Date: 5/16/2016 Start Qty: 4.00

Required Date: 5/25/2016 Req'd Qty: 4.00

Reference:

Approvals:

Process Plan: Em

Date: 16/05/18

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3463	Rev B

100

0.00

100

Large Fab

Large Fab

Large Fab

Memo

4.76

Weld assembly as per dwg D3463 using DT8875;
***Leave a small none welded area on each side bottom of D3463-3 step to
drain water***

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00

110

QC

Quality Control

Memo

0.00

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Quality Control

Memo

0.08

4

16-05-31

[Signature]

126014

(4)

16-06-01

DAS

9

9-39

(4)

16-06-01

DAS

9

9-39

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

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JUN 11 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification 	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
		OTHER : ☐							

Work Order ID 146245

Wednesday, May 18, 2016 10:53:06 AM

146245

Page 3

Item ID: D3463-042 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Step Weldment Assembly
Start Date: 5/16/2016 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 5/25/2016 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Identify as per dwg & Stock Location: <u>STAY</u>	0.00				<u>0.06</u>			
160						<u>6</u>			
Packaging	Memo	0.04				<u>9.09</u>			
Packaging									
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.40							
Quality Control									

MCS JUN 13 2016

MCS JUN 13 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Wednesday, May 18, 2016 10:53:15 AM

Page 1

Work Order ID: 146245

146245

Parent Item: D3463-042

D3463-042

Parent Item Name: Step Weldment Assembly

Start Date: 5/16/2016

Required Date: 5/25/2016

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV. A 05.11.18 new issue EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

238-806

Purchased

No

100

Each

68.0000

2

8

238-806

SS DOWEL PIN 1" LONG

16-05-27
JBL

Location

Loc Qty

Loc Code

WA002

68

M127628

68

~~8~~

D3453-3

Manufactured

No

100

Each

27.0000

1

4

D3453-3

Clevis

16-05-27
JBL

Location

Loc Qty

Loc Code

WA002

27

121222

16

121924

11

~~4~~

D3453-5

Manufactured

No

100

Each

14.0000

1

4

D3453-5

Plug

16-05-27
JBL

Location

Loc Qty

Loc Code

WA002

14

127846

2

132561

12

~~1~~
~~3~~

D3463-1

Manufactured

No

100

Each

8.0000

1

4

D3463-1

Arm

16-05-20
JBL

Location

Loc Qty

Loc Code

WA001

8

126303

8

~~1~~
~~3~~

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
QC / QA Coordinator Approval									

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								

Picklist Print

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Work Order ID: 146245

146245

Parent Item: D3463-042

D3463-042

Parent Item Name: Step Weldment Assembly

Start Date: 5/16/2016

Required Date: 5/25/2016

Start Qty: 4.00

Required Qty: 4.00

D3463-3 Manufactured No

100 Each 10.0000 1 4

D3463-3

Step

16-05-30

100

Location

Loc Qty

Loc Code

WA002

10

113142

6

122308

4

34

D3463-5 Manufactured No

100 Each 23.0000 2 8

D3463-5

End Cap

16-05-30

100

Location

Loc Qty

Loc Code

WA002

23

121237

3

132699

6

145948

14

32

D3463-7 Manufactured No

100 Each 3.0000 1 4

D3463-7

Drag Arm

16-05-30

100

Location

Loc Qty

Loc Code

WA002

3

121238

1

131881

2

4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

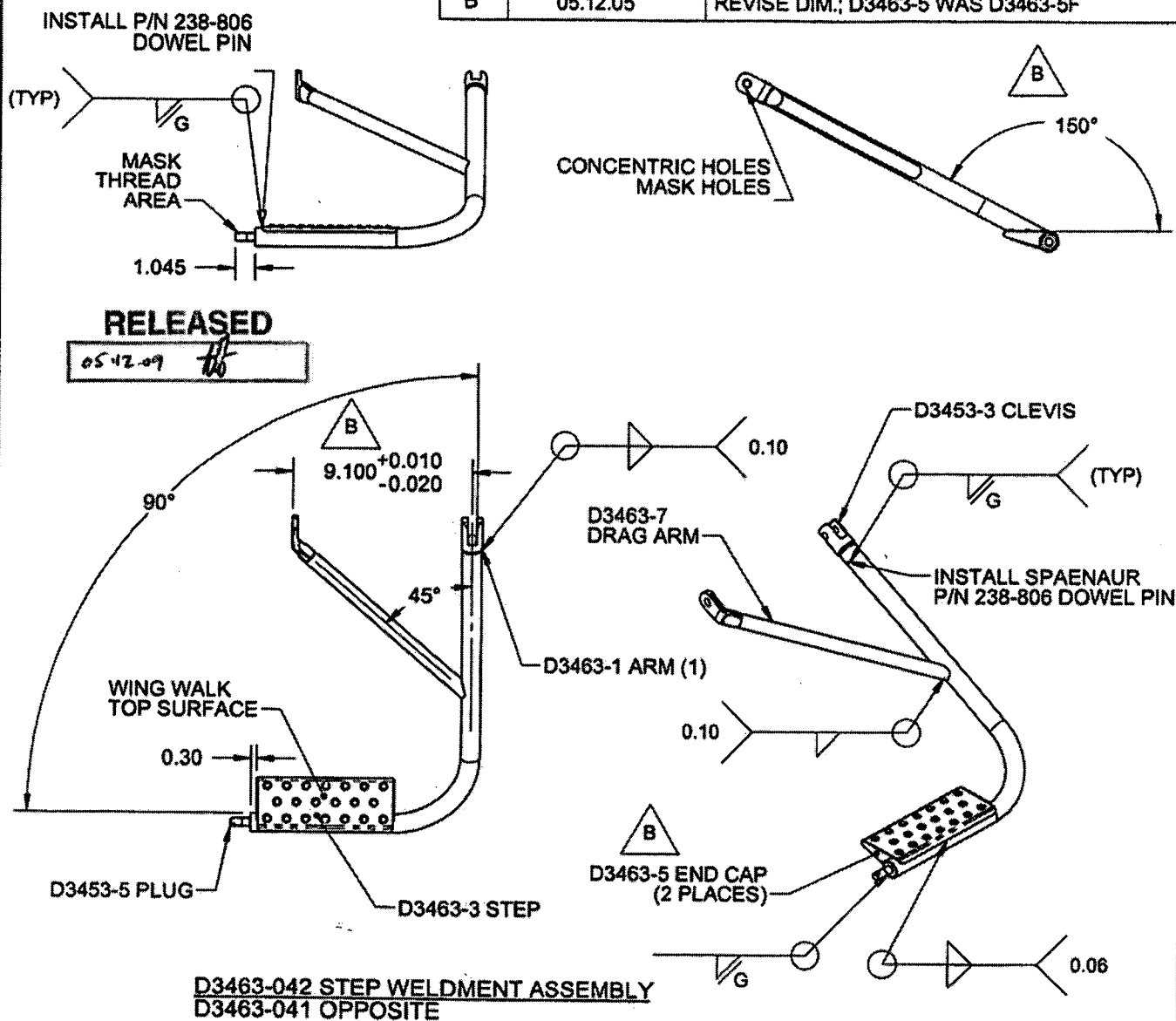
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐	
Misidentified ☐	Past Due ☐																																																														



DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3463	REV. B SHEET 1 OF 4
DATE 05.12.05	TITLE STEP WELDMENT SCALE 1:8		
A	05.09.20	NEW ISSUE	
B	05.12.05	REVISE DIM.; D3463-5 WAS D3463-5F	



NOTES:

- 1) WELD PER DART QSI 004
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL UNMARKED SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

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W/O 146245

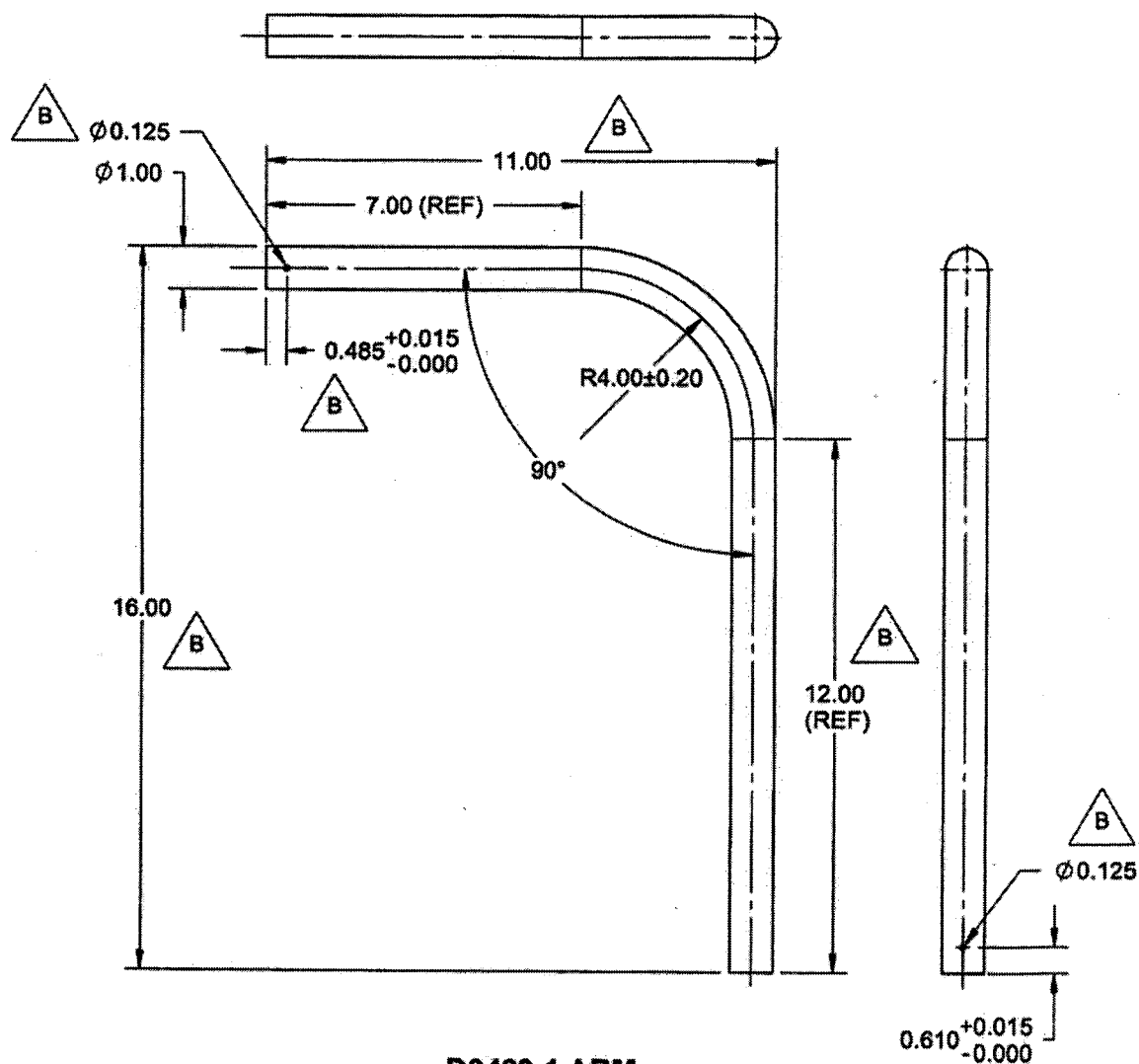
dm 16/05/13



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CHECKED 	APPROVED 	DRAWING NO. D3463	REV. B SHEET 2 OF 4
DATE 05.12.05	TITLE STEP WELDMENT		SCALE 1:4

RELEASED

05.12.09



D3463-1 ARM

NOTES:

- 1) MATERIAL: AISI 316/304 SS SEAMLESS TUBING (REF. DART SPEC. M304TR1.000W.120)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL UNMARKED SHARP EDGES 0.005 TO 0.025

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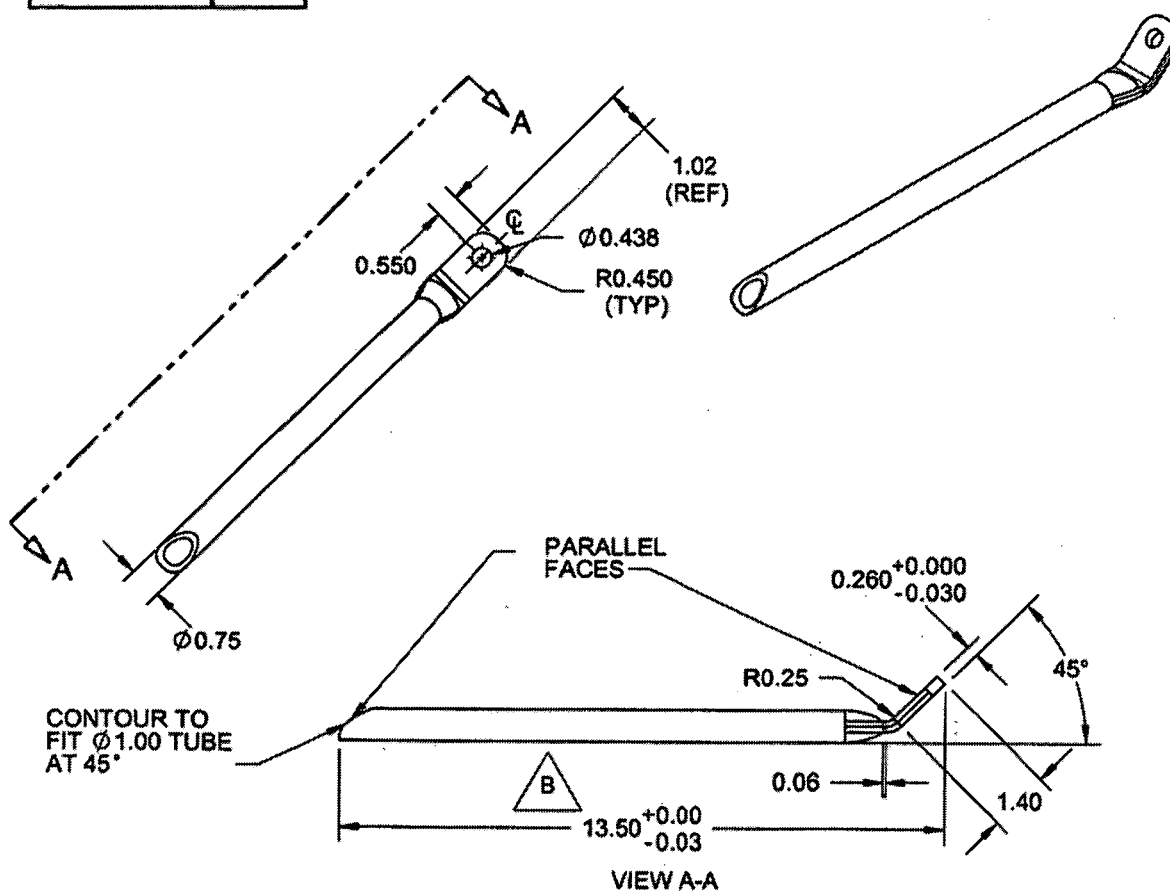
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DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED th	APPROVED th	DRAWING NO. D3463	REV. B SHEET 3 OF 4
DATE 05.12.05	TITLE STEP WELDMENT		SCALE 1:4

RELEASED

05.12.09



D3463-7 DRAG ARM

NOTES:

- 1) MATERIAL: AISI 316/304 SS SEAMLESS TUBING (REF. DART SPEC. M304TR0.750W.120)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL UNMARKED SHARP EDGES 0.005 TO 0.010

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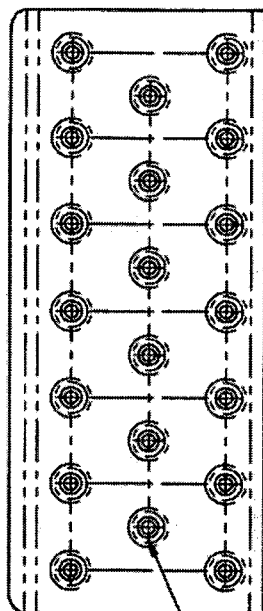
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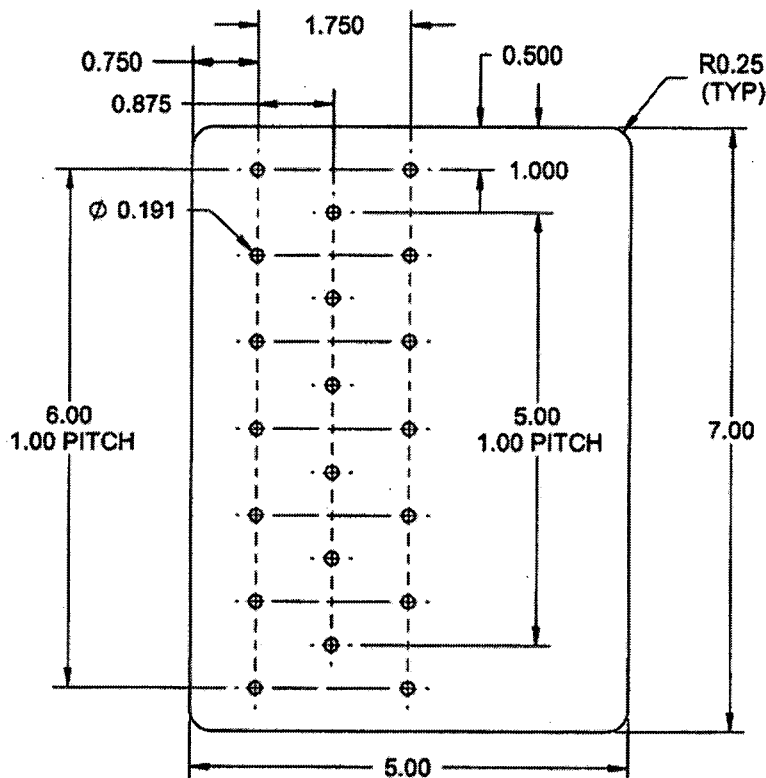
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CHECKED H	APPROVED H	DRAWING NO. D3463	REV. B SHEET 4 OF 4
DATE 05.12.05	TITLE STEP WELDMENT		SCALE 1:2

RELEASED

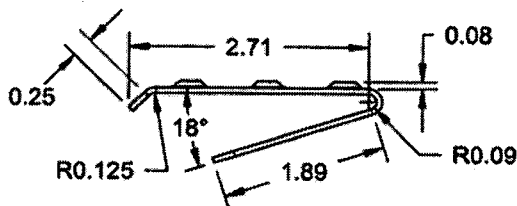
05.12.05 H



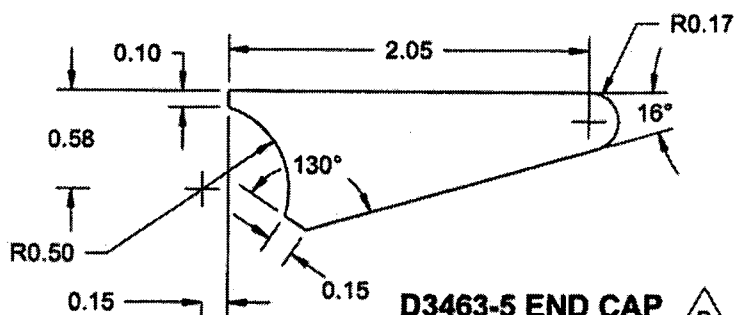
FORM USING
D3463-3T1



D3463-3F FLAT PATTERN



D3463-3 STEP



D3463-5 END CAP
SCALE 1:1

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET, 0.060 THICK (REF. DART SPEC. M304S16GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL UNMARKED SHARP EDGES 0.005 TO 0.010

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Linda Lacelle

From: Jose Miguel Fernandez-Busto
Sent: Friday, May 20, 2016 10:17 AM
To: Linda Lacelle
Cc: Denis Maranda
Subject: RE: Wingwalk (RE: CCG - Request by Bell to have primed parts)

Here is Silvio's response to your second question:

From: Levesque, Sylvio [mailto:sylviolevesque@bh.com]
Sent: Friday, May 20, 2016 10:14 AM
To: Jose Miguel Fernandez-Busto <jmiguel@dartaero.com>
Cc: Smith, Lea <leasmith@bh.com>
Subject: RE: wingwalk D412-630-033/-034

Yes I confirm! '

Sylvio Levesque
Senior technology specialist eng ops support
Aircraft Completion and Delivery Center
Bell helicopter Textron Canada

José Miguel.

From: Linda Lacelle
Sent: Friday, May 20, 2016 10:09 AM
To: Jose Miguel Fernandez-Busto <jmiguel@dartaero.com>
Cc: Denis Maranda <dmaranda@dartaero.com>
Subject: RE: Wingwalk (RE: CCG - Request by Bell to have primed parts)

Thanks, was just about to ask the same question on the folding steps, D412-630-033/-034, they require wingwalk as well. Can you please confirm they want the wingwalk on these as well?

Thx
Linda

From: Jose Miguel Fernandez-Busto
Sent: Friday, May 20, 2016 10:02 AM
To: Linda Lacelle <llacelle@dartaero.com>
Cc: Denis Maranda <dmaranda@dartaero.com>
Subject: Wingwalk (RE: CCG - Request by Bell to have primed parts)

Good morning Linda,

With respect to your question below, I have received the following response from Bell:

Go ahead and do the Wingwalk please.

Sylvio Levesque

Senior technology specialist eng ops support
Aircraft Completion and Delivery Center
Bell helicopter Textron Canada
Office (450) 971-6500 ext:2373
Mobile 514-476-1379
sylviolevesque@bh.com

José Miguel.

From: Linda Lacelle
Sent: Wednesday, May 18, 2016 10:55 AM
To: Jose Miguel Fernandez-Busto <jmiguel@dartaero.com>; Steve Ghaleb <sghaleb@dartaero.com>
Cc: Denis Maranda <dmaranda@dartaero.com>
Subject: RE: CCG - Request by Bell to have landing gear painted in red CCG color code P1203ES

Good Morning,
We also need to know if we apply wingwalk where applicable after prime, or is Bell going to be taking care of this – D3463-041/-042.

Thx
Linda

From: Denis Maranda
Sent: Tuesday, May 17, 2016 9:08 AM
To: Jose Miguel Fernandez-Busto <jmiguel@dartaero.com>; Steve Ghaleb <sghaleb@dartaero.com>
Cc: Bill Beckett <bbeckett@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>
Subject: FW: CCG - Request by Bell to have landing gear painted in red CCG color code P1203ES

As per the customer request and to avoid confusion please update the SO123808 due 6/20, 7/25, 8/30 & 10/4 and SO 123812 due 6/29, 7/25, 8/30 to avoid confusion. SOs need be amended with a note saying unpainted primed parts only.

D412-630-031
D412-630-032

D412-630-033
D412-630-034

With all the trouble this is causing us we should not offer any discounts but that is your call.

From: Jose Miguel Fernandez-Busto
Sent: Monday, May 02, 2016 10:05 AM

To: Bill Beckett <bbeckett@dartaero.com>

Cc: Denis Maranda <dmaranda@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>; Steve Ghaleb <sghaleb@dartaero.com>; Marc Bellavance <mbellavance@dartaero.com>

Subject: RE: CCG - Request by Bell to have landing gear painted in red CCG color code P1203ES

Hola Bill,

I just spoke with Sylvio Levesque from Bell and he confirmed that they would like to continue doing the CCG painting at Mirabel. Their only concern is with the folding steps, as they are not sure if their paint will stick on them. As such, he clarified his request:

1. Is Dart able to powder coat parts D412-630-031/-032/-033/-034 in red color P1203ES?
2. If so, what is the additional cost and impact on delivery?
3. If not, can Dart supply these parts only primed, so that Bell can paint at their facility?

He also clarified that Bell does not want the above mentioned parts spray painted in P1203ES and that we need to answer the questions above, before undertaking any additional work related to this request.

Finally, he is willing to supply us with a part painted in P1203ES so that we can match that color. To this effect, we need to confirm how big of a sample would we like to receive.

@Denis, can you please provide me with your answers to the questions indicated above? Thank you,

José Miguel.